

3. (Clean Copy) The method for multi-dimensional orthogonal resource hopping multiplexing communication as claimed in claim 1,

wherein said channels are configured to be distinguishable through hopping multi-dimensional orthogonal resource coordinates for synchronous communication channels from said primary communication station to a plurality of secondary communication stations.

*CONT* 59. (Clean Copy) An apparatus for multi-dimensional orthogonal resource hopping multiplexing communication allowing collision among multidimensional orthogonal resource hopping patterns within some data symbol durations comprising a digital communication system for multi-dimensional orthogonal resource hopping multiplexing which operates with two exclusive orthogonal resource groups comprising;

a first orthogonal resource group comprising orthogonal resources only for a division multiplexing by fixed and exclusive allocation of orthogonal resources

a second orthogonal resource group comprising orthogonal resources only for a statistical multiplexing through orthogonal resource hopping.

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#### REMARKS

Claims 1, 3 and 59 have been amended to define the features of the invention more clearly and to improve the Examination process. The amendments to the claims are not made in view of any prior art and thus should not give rise to any estoppel.